

SCHEDULE VARIANCE ANALYSIS: (-\$18.6M)

WBS/PBS

Title

1.01.01/TW01 Tank Waste Characterization

Description and Cause: The unfavorable schedule variance is due to core sampling delays because of radiological issues with 241-TX-113, truck equipment problems, and excessive wind conditions. In addition, characterization laboratory analysis, equipment and engineering equipment upgrades, and characterization process engineering activities are slightly behind schedule due to redirection of effort to support 241-SY-101 and increased sample analysis at the laboratory.

Impact: No impacts.

Corrective Action: Schedule recovery will be accomplished with targeted use of overtime during the remainder of the year. A BCR to reduce safety screening will rebaseline the schedule to reduce required core and grab samples and lab analysis reports.

1.01.02/TW02 Tank Safety Issue Resolution

Description and Cause: The unfavorable schedule variance is due to revising the Refined Safety Analysis Tool for Flammable Gas per DOE direction. In addition, the Retained Gas Sampling (RGS) Final Results Report (prepared by PNNL) is behind schedule because additional information needed to complete the final report. Standard Hydrogen Monitoring System (SHMS) saltwell pumping data reconciliation is behind schedule because of delays in pumping tank 241-S-102, and the high heat technical basis topical report is behind schedule pending removal of approximately three feet of waste from tank 241-C-106.

Impact: No impacts at this time.

Corrective Action: The Refined Safety Analysis project is currently preparing a revised Memorandum of Understanding (MOU) and will rebaseline the project once the MOU is approved by DOE. The RGS final results report is anticipated to be complete in August 1999. Pumping of tank 241-S-102 occurred in March 1999 and data reconciliation is anticipated to be complete in September 1999. Once enough waste is sluiced, temperature monitoring, thermal hydraulic analysis, and the final high heat report will need to be completed.

1.01.03/TW03 Tank Farm Operations

Description and Cause: The unfavorable schedule variance is due to Interim Stabilization being behind schedule. Work is being performed according to approved Advance Work Authorization #3, pending changes to the MYWP baseline. In addition, critical skill resources were diverted to support the cross-site transfer and 241-C-106 sluicing activities, thus causing minor schedule delays to miscellaneous Tank Farm activities such as ENRAF/Tank Monitoring and Control System (TMACS) and DST integrity assessment work.

Impacts: No impacts as sufficient contingency exists to recover the schedule.

Corrective Action: Approve and implement the revised Interim Stabilization baseline. Most of the schedule variance will be eliminated upon implementation of a BCR. The ENRAF/TMACS and DST integrity assessment schedules are being recovered now that resources have been restored.

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1.01.04/TW04 Retrieval Project

Description and Cause: The unfavorable schedule variance is due to decisions to fund higher priority work scope and to provide an orderly closeout of Project W-151, “241-AZ-101 Retrieval System” activities; 241-C-106 sluicing operations were placed on hold due to the organic vapor issue and leaking jumper; retrieval engineering work started late due to diversion of resources and delays in the 222-S lab; and the Vadose Zone Characterization Plan has been delayed pending Tri-Party Agreement negotiations to establish new milestones.

Impacts: Project W-151 requires a higher risk design path based on the design confirmation; no impacts to 241-C-106 sluicing as the schedule is being recovered; delays to lab work; no impacts to tank farm assessments as work is being performed as needed; and vadose zone schedule delay.

Corrective Action: A BCR is in process to defer W-151 work scope to FY 2000; the 241-C-106 schedule will be recovered by using better than expected sludge recovery rates and by conducting sluicing and data evaluation in parallel; 222-S lab issues are resolved; and a BCR is in progress to reflect results of Tri-Party Agreement negotiations.

1.01.05/TW05 Process Waste Support

Description and Cause: The unfavorable schedule variance is due to the waste treatability sample disposition which is still pending T Plant action, and deliverables requiring resubmission delayed Waste Integration Team (WIT) reviews.

Impact: No impacts, as sufficient contingency exists.

Corrective Action: Continue to work with Waste Management Hanford to dispose of samples. The WIT schedule will be recovered.

1.01.08/TW08 Privatization Infrastructure

Description and Cause: The unfavorable schedule variance is due to Project W-519, "Privatization Infrastructure Support," definitive design transitioning from Title I to Title II. Clearing ground preparation work to support Project W-519 has been deferred and Tank Turnover activities have been placed on hold.

Impact: No impacts, as sufficient contingency exists.

Corrective Action: Title II design will be completed in early April 1999. The construction bid cycle has been accelerated to recover the schedule. The baseline will be updated upon approval of the BCRs, and as a result, the schedule variance will be reduced.

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1.01.09/TW09

Immobilized Waste

Description and Cause: The unfavorable schedule variance is due to Project W-464, "Immobilized High Level Waste Interim Storage Facility" Project Specific Management Plan being delayed due to funding constraints and resources being diverted to higher priority work. Project W-465, "Immobilized Low Level Waste Interim Storage Facility" revalidation activities have been delayed until June 1999. Far and near-field hydraulic/geotechnical and recharge rate information activities are behind schedule to ensure that all data is considered for the data package documents, and waste form testing is behind schedule awaiting EM-50 screen of glass composition as proposed by BNFL Inc.

Impact: No impacts, as sufficient contingency exists.

Corrective Action: Work is forecast to be completed on schedule.